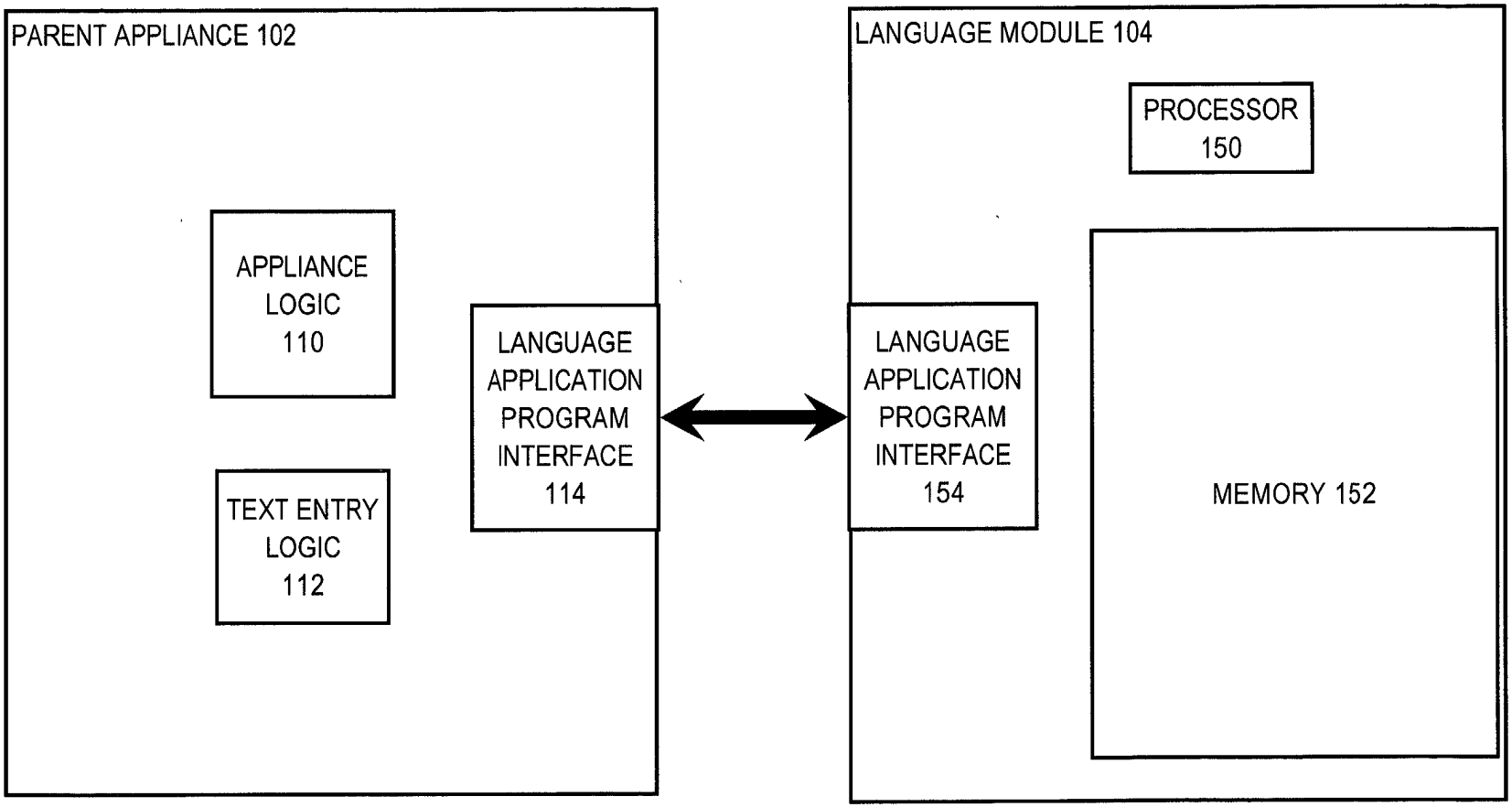
PARENT APPLIANCE 102
APPLIANCE LOGIC 110
TEXT ENTRY LOGIC 112
LANGUAGE APPLICATION PROGRAM INTERFACE 114
LANGUAGE MODULE 104
PROCESSOR 150
LANGUAGE APPLICATION PROGRAM INTERFACE 154
MEMORY 152

FIGURE 1

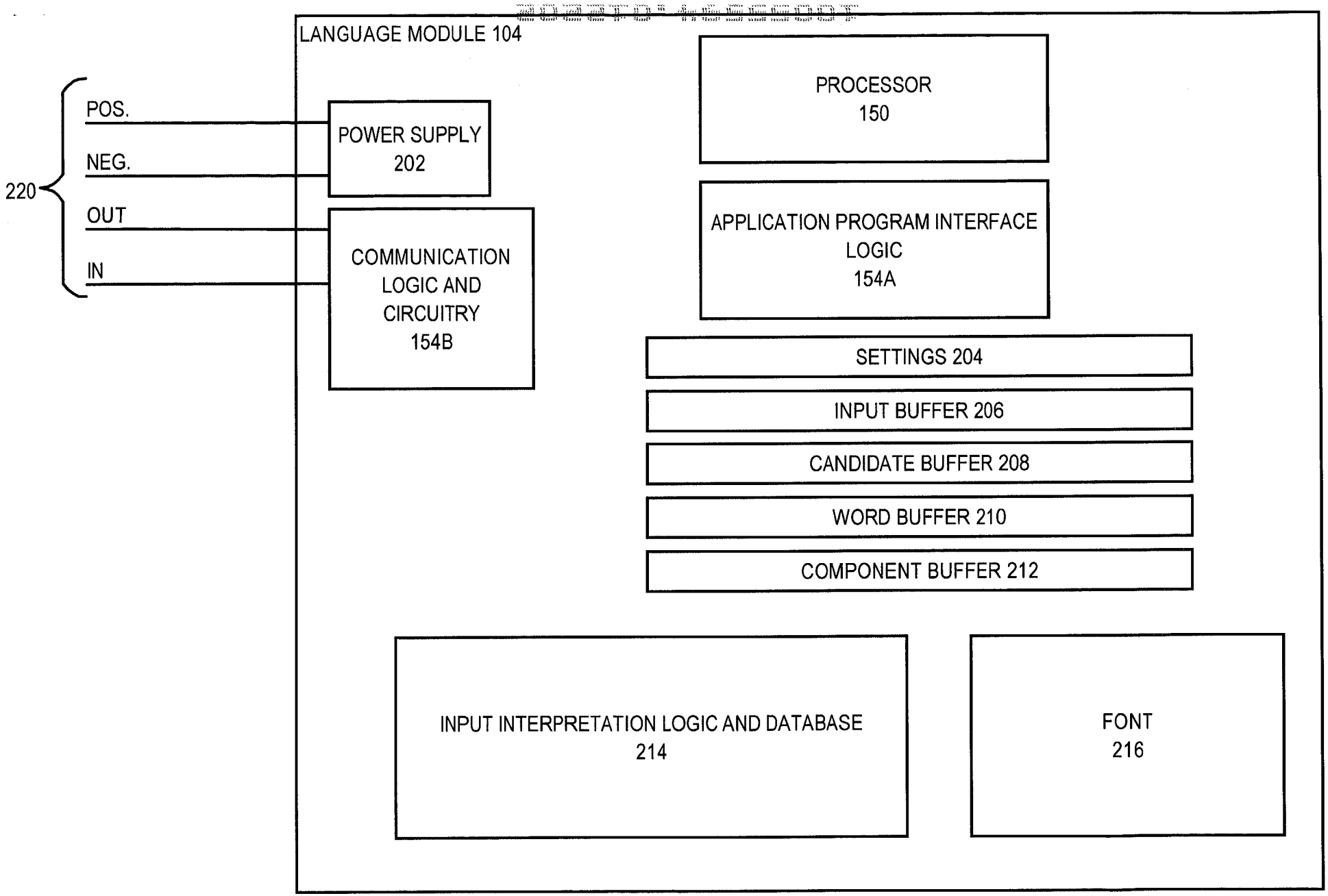
LANGUAGE MODULE 104
POS.
NEG.
220
OUT
IN
POWER SUPPLY
202
COMMUNICATION
LOGIC AND
CIRCUITRY
154B
PROCESSOR
150
APPLICATION PROGRAM INTERFACE
LOGIC
154A
SETTINGS 204
INPUT BUFFER 206
CANDIDATE BUFFER 208
WORD BUFFER 210
COMPONENT BUFFER 212
INPUT INTERPRETATION LOGIC AND DATABASE
214
FONT
216

FIGURE 2

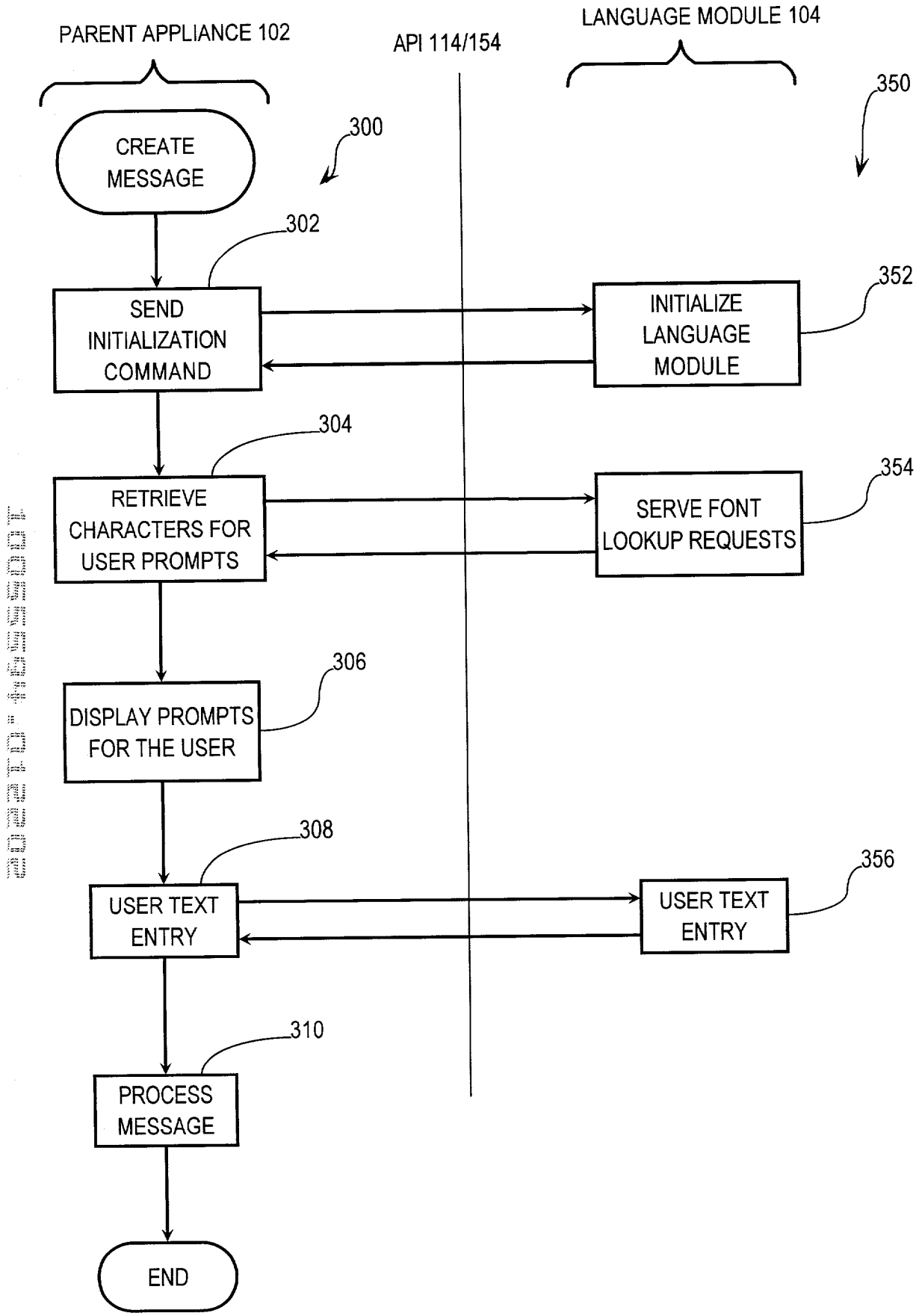
PARENT APPLIANCE 102
API 114/154
LANGUAGE MODULE 104
350
CREATE MESSAGE
300
302
SEND INITIALIZATION COMMAND
INITIALIZE LANGUAGE MODULE
352
304
RETRIEVE CHARACTERS FOR USER PROMPTS
SERVE FONT LOOKUP REQUESTS
354
306
DISPLAY PROMPTS FOR THE USER
308
USER TEXT ENTRY
USER TEXT ENTRY
356
310
PROCESS MESSAGE
END

FIGURE 3

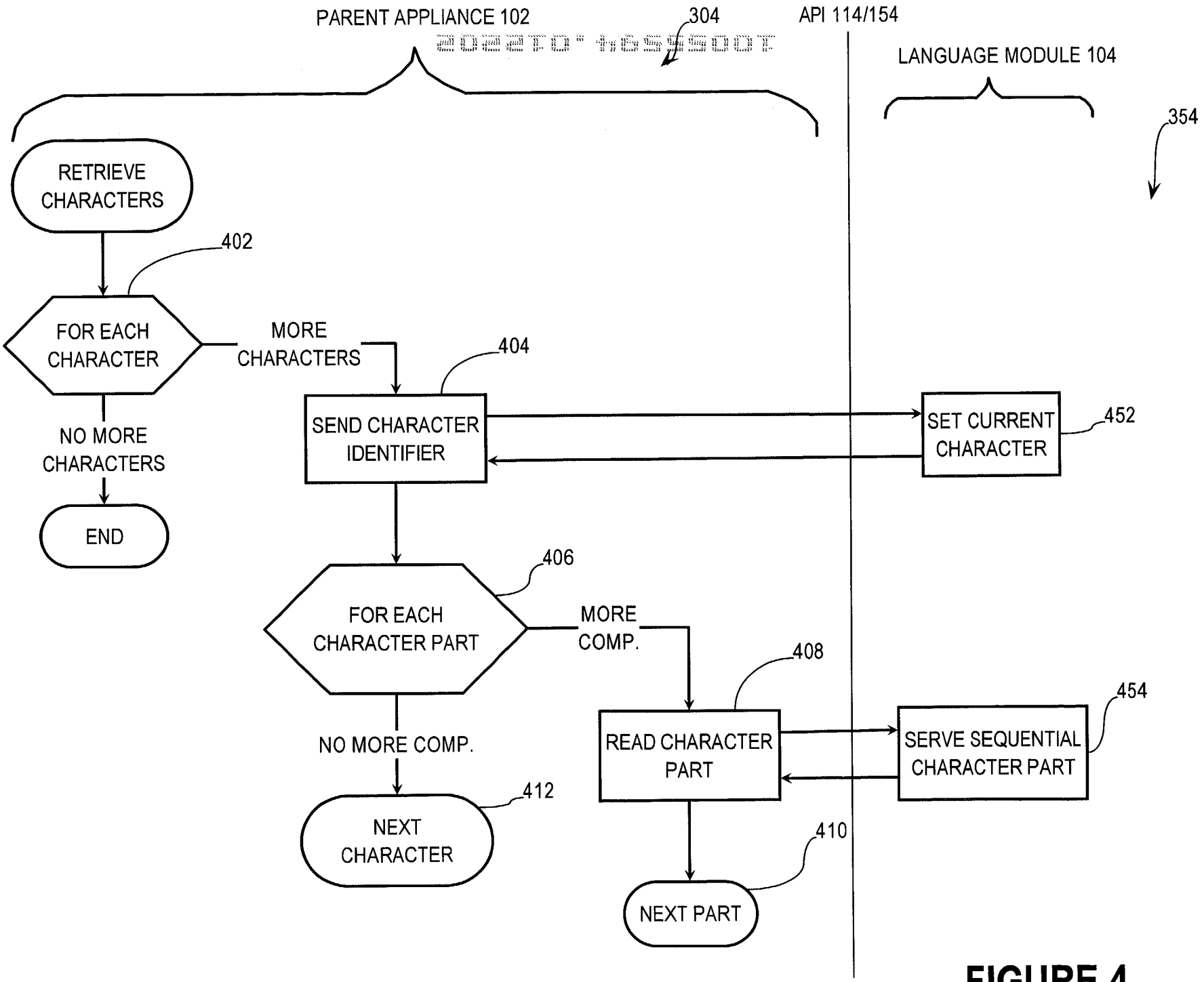
PARENT APPLIANCE 102
304
API 114/154
LANGUAGE MODULE 104
354
RETRIEVE CHARACTERS
402
FOR EACH CHARACTER
MORE CHARACTERS
404
NO MORE CHARACTERS
END
SEND CHARACTER IDENTIFIER
SET CURRENT CHARACTER
452
406
FOR EACH CHARACTER PART
MORE COMP.
408
454
NO MORE COMP.
READ CHARACTER PART
SERVE SEQUENTIAL CHARACTER PART
412
NEXT CHARACTER
410
NEXT PART

FIGURE 4

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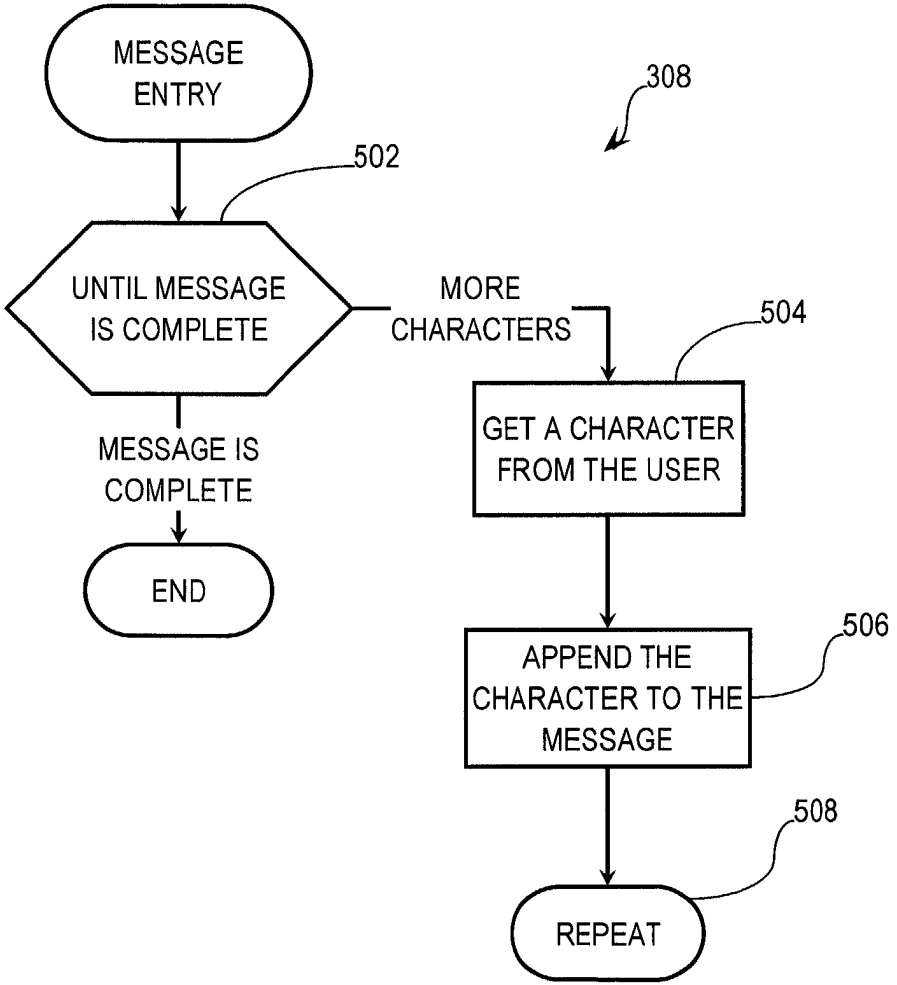

FIGURE 5

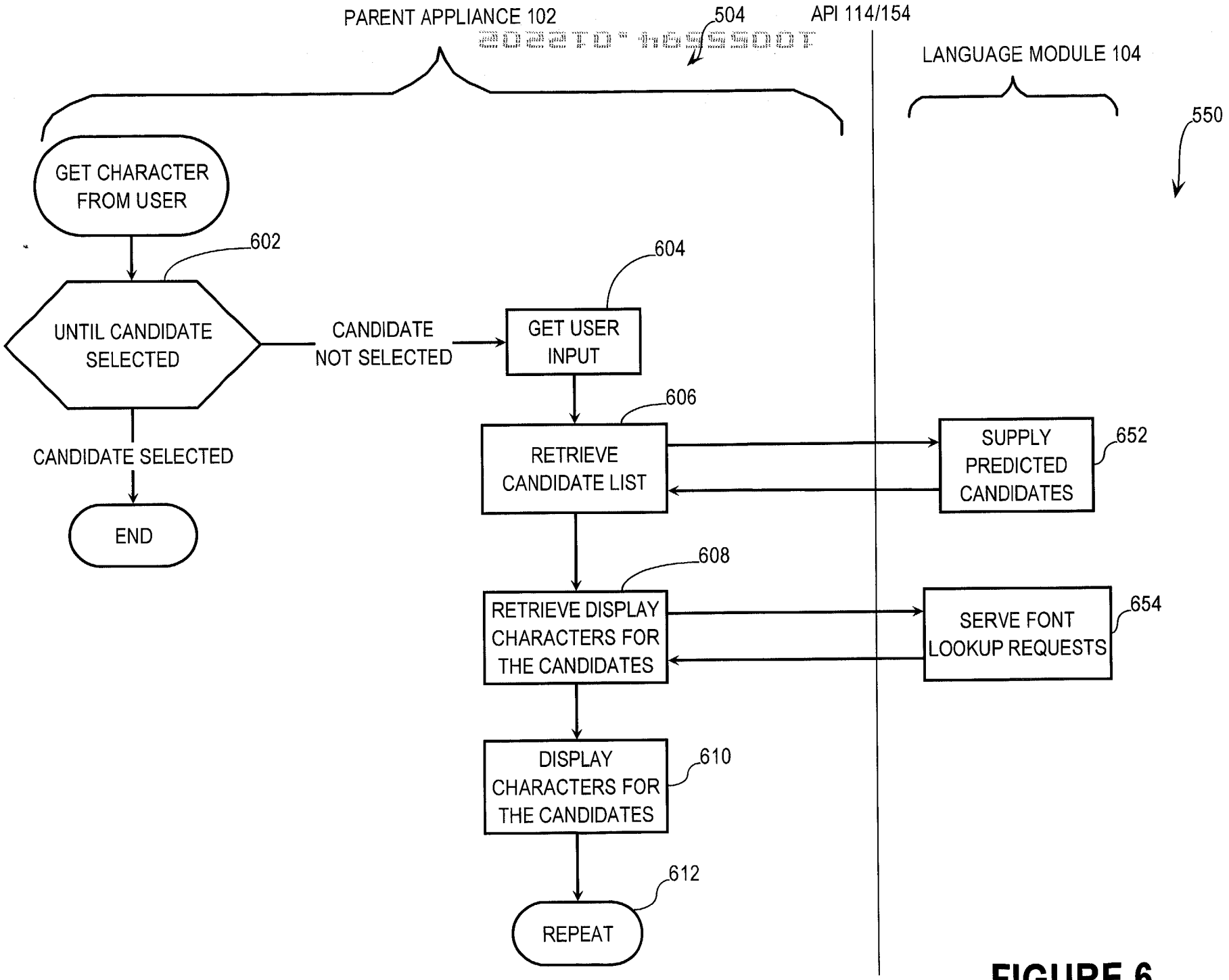
PARENT APPLIANCE 102
504
API 114/154
LANGUAGE MODULE 104
550
GET CHARACTER FROM USER
602
UNTIL CANDIDATE SELECTED
CANDIDATE NOT SELECTED
604
GET USER INPUT
606
RETRIEVE CANDIDATE LIST
SUPPLY PREDICTED CANDIDATES
652
CANDIDATE SELECTED
END
608
RETRIEVE DISPLAY CHARACTERS FOR THE CANDIDATES
SERVE FONT LOOKUP REQUESTS
654
DISPLAY CHARACTERS FOR THE CANDIDATES
610
612
REPEAT

FIGURE 6

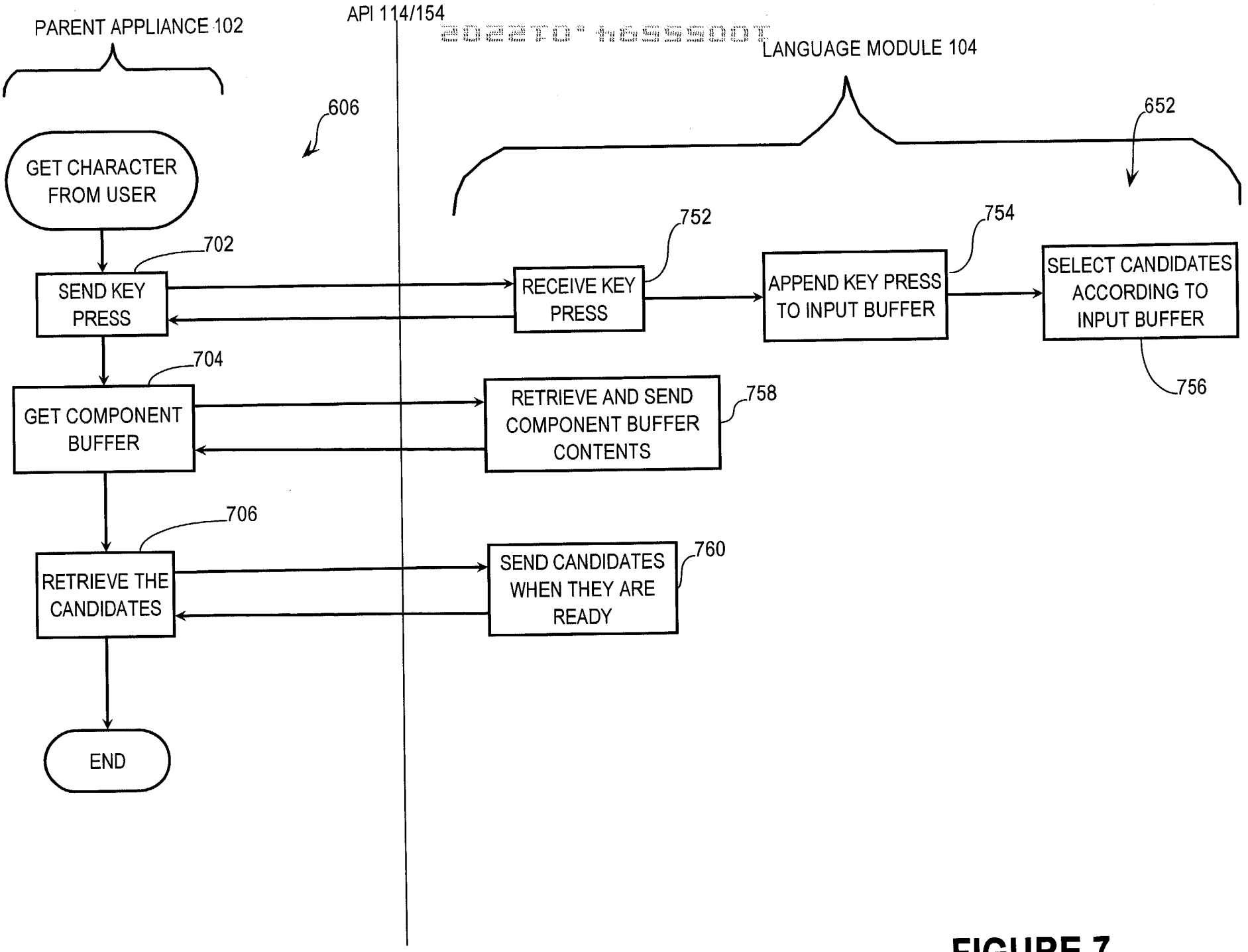
PARENT APPLIANCE 102
API 114/154
LANGUAGE MODULE 104
606
652
GET CHARACTER FROM USER
702
SEND KEY PRESS
752
RECEIVE KEY PRESS
754
APPEND KEY PRESS TO INPUT BUFFER
SELECT CANDIDATES ACCORDING TO INPUT BUFFER
756
704
GET COMPONENT BUFFER
RETRIEVE AND SEND COMPONENT BUFFER CONTENTS
758
706
RETRIEVE THE CANDIDATES
SEND CANDIDATES WHEN THEY ARE READY
760
END

FIGURE 7

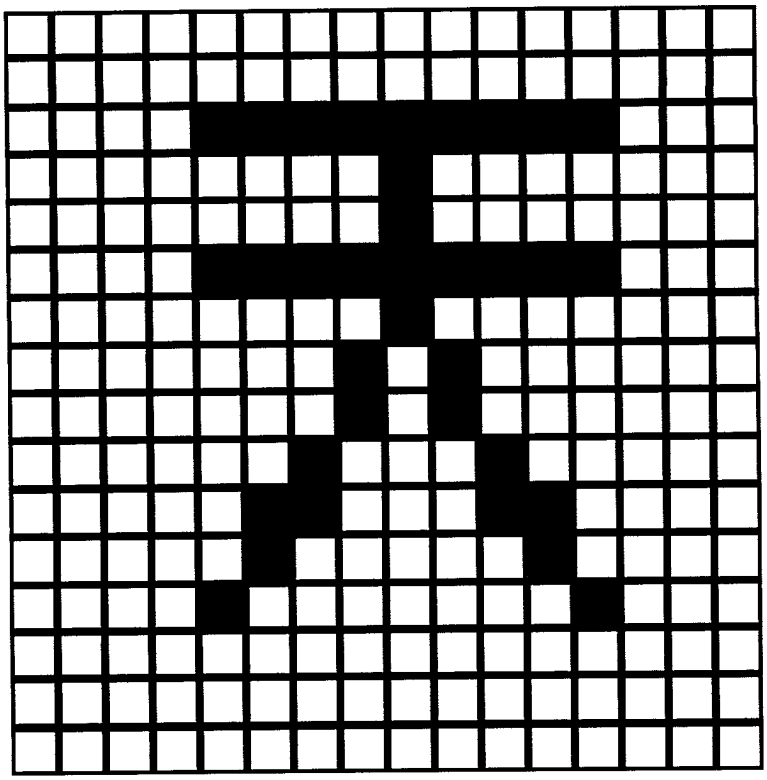

FIGURE 8

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